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ARBORETUM ET FRUTICETUM BRITANNICUM;

OR,

THE TREES AND SHRUBS OF BRITAIN,

Native and Foreign, Hardy and Half-Hardy,

PICTORIALLY AND BOTANICALLY DELINEATED,

AND SCIENTIFICALLY AND POPULARLY DESCRIBED;

WITH

THEIR PROPAGATION, CULTURE, MANAGEMENT,

AND USES IN THE ARTS, IN USEFUL AND ORNAMENTAL PLANTATIONS, AND IN

LANDSCAPE-GARDENING;

PRECEDED BY A HISTORICAL AND GEOGRAPHICAL OUTLINE OF THE TREES AND SHRUBS OF TEMPERATE CLIMATES THROUGHOUT THE WORLD.

BY J. C. LOUDON, F.L. & H.S. &c.

AUTHOR OF THE ENCYCLOPÆDIAS OF GARDENING AND OF AGRICULTURE.

IN EIGHT VOLUMES.

FOUR OF LETTERPRESS, ILLUSTRATED BY ABOVE 2500 ENGRAVINGS; AND FOUR OF OCTAVO AND QUARTO PLATES.

VOL. V.

THE PLATES FROM MAGNOLIA`CEÆ TO LEGUMINO`SÆ INCLUSIVE.

SECOND EDITION.

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CONTENTS OF VOL. V.

LIST OF THE PORTRAITS OF TREES FORMING VOL. V., SYSTEMATICALLY ARRANGED.

The names, scientific and English, of all the trees included in the plates forming Vols. V. VI. VII. and VIII. will be found systematically arranged in the General Contents in Vol. I., and alphabetically arranged at the end of Vol. VIII.
The number on the left hand refers to the paging of the plates in the present volume; that on the right to the page of the body of the work where the tree is treated of.

MAGNOLIA'CEÆ. (MAGNOLIAS.)

Text in Vol. I.

Page | | Page
1. Magnòlia grandiflòra - - 261
Brentford Nursery. *Miss Eliza Ronalds.*
2. M. g. exoniénsis - - - 261
The Chiswick Villa. *Miss M. L.*
3. M. glaúca - - - - 267
Mile End Nursery. *R. Varden.*
4. M. gl. Thompsoniàna - - 267
Mile End Nursery. *R. Varden.*
5. M. tripétala - - - 269
Mile End Nursery. *R. Varden.*
6. M. macrophýlla - - - 271
The Chiswick Villa. *Miss M. L.*
7. M. acuminàta - - - 273
Messrs. Loddiges, Hackney. *R. Varden.*
8. M. acuminàta, full-grown tree.
Duke of Northumberland, Syon. *Lewis.*
9. M. cordàta - - - - 275
Messrs. Loddiges, Hackney. *R. Varden.*
10. M. auriculàta - - - 276
Messrs. Loddiges, Hackney. *R. Varden.*
11. M. (a.) pyramidàta - - 277
Messrs. Loddiges, Hackney. *R. Varden.*
12. M. conspícua - - - 278
Mile End Nursery. *R. Varden.*
13. Liriodéndron Tulipífera (Tulip Tree) - - - 284
Hort. Soc. Gard. *F. Rauch.*
14. L. Tulipífera, full-grown tree.
Syon House. *G. R. Lewis.*

TILIA'CEÆ. (LIME TREES.)

15. Tilia europæ'a - - - 364
Hort. Soc. Gard. *Miss M. L.*
16. T. e., full-grown tree.
Studley Park. *H. W. Jukes.*
17. T. (e.) platyphýlla - - 365
Hort. Soc. Gard. *Miss M. L.*
18. T. (e.) p. mìnor - - - 365
Hort. Soc. Gard. *Miss M. L.*

Page | | Page
19. T. (e.) laciniàta - - - 366
Hort. Soc. Gard. *Miss M. L.*
20. T. (e.) parvifòlia aúrea - 366
Hort. Soc. Gard. *Miss M. L.*
21. T. (e.) álba (syn. argéntea) - 372
Hort. Soc. Gard. *Miss M. L.*
22. T. americàna (syn. álba) - 373
Hort. Soc. Gard. *Miss M. L.*
23. T. (a.) laxiflòra - - - 374
Hort. Soc. Gard. *Miss M. L.*
24. T. (a.) pubéscens - - 374
Hort. Soc. Gard. *Miss M. L.*

ACERA'CEÆ. (MAPLES AND SYCAMORES.)

25. A'cer tatáricum - - - 406
Hort. Soc. Gard. *Miss M. L.*
26. A. spicàtum - - - 406
Hort. Soc. Gard. *Miss M. L.*
27. A. striàtum - - - - 407
Hort. Soc. Gard. *Miss M. L.*
28. A. macrophýllum - - 408
Hort. Soc. Gard. *Miss M. L.*
29. A. platanòides - - 408
Hort. Soc. Gard. *Miss M. L.*
30. A. p. laciniàtum - - - 409
Hort. Soc. Gard. *Miss M. L.*
31. A. sacchárinum (the Sugar Maple) - - 411
Hort. Soc. Gard. *Miss M. L.*
32. A. Pseùdo-Plátanus (Common Sycamore) - 414
Hort. Soc. Gard. *Miss M. L.*
33. A. Pseùdo-Plátanus, full-grown tree.
Studley Park. *H. W. Jukes.*
34. A. obtusàtum (syn. hýbridum) 420
Hort. Soc. Gard. *Miss M. L.*
35. A. opulifòlium - - - 420
Hort. Soc. Gard. *Miss M. L.*
36. A. O'palus - - - - 420
Hort. Soc. Gard. *Miss M. L.*

Page

37. *A.* eriocárpum - - - 423
Hort. Soc. Gard. *Miss M. L.*

38. *A.* e., full-grown tree.
Bot. Gard., Kew. *L. Martin.*

39. *A.* rùbrum - - - - 424
Hort. Soc. Gard. *Miss M. L.*

40. *A.* r., full-grown tree.
Bot. Gard., Kew. *L. Martin.*

41. *A.* monspessulànum - - 427
Hort. Soc. Gard. *Miss M. L.*

42. *A.* m., full-grown tree.
Ham House, Essex. *H. W. Jukes.*

43. *A.* campéstre (the common Maple) - - - } 428
Hort. Soc. Gard. *Miss M. L.*

44. *A.* c., full-grown tree, 4to.
Studley Park. *H. W. Jukes.*

45. *A.* créticum, full-grown tree - 430
Syon House, Middlesex. *G. R. Lewis.*

46. *Negúndo fraxinifòlium* (Box Elder) - - - } 460
Hort. Soc. Gard. *Miss M. L.*

47. *N. f.* críspum - - - 460
Hort. Soc. Gard. *Miss M. L.*

ÆSCULA'CEÆ. (HORSECHESTNUTS.)

48. *Æ'sculus* Hippocástanum (the common Horse-chestnut) - - } 463
Hort. Soc. Gard. *Miss M. L.*

49. *Æ.* H., full-grown tree.
Forty Hill, Enfield. *W. J. Nesfield.*

50. *Æ.* (H.) rubicúnda (syn. cárnea) - - - } 467
Hort. Soc. Gard. *Miss M. L.*

51. Pàv*ia* rùbra (Smooth Horse-chestnut) - - } 469
Hort. Soc. Gard. *Miss M. L.*

52. P. r., full-grown tree.
Syon House. *G. R. Lewis.*

53. P. r. hùmilis péndula - - 470
Hort. Soc. Gard. *Miss M. L.*

54. P. flàva - - - - 471
Hort. Soc. Gard. *Miss M. L.*

55. P. f., full-grown tree.
Syon House. *G. R. Lewis.*

56. P. macrocárpa - - - 473
Hort. Soc. Gard. *Miss M. L.*

SAPINDA'CEÆ.

57. Kölreutèr*ia* paniculàta - - 475
Hort. Soc. Gard. *Miss M. L.*

XANTHOXYLA'CEÆ.

58. Xanthóxylum *fraxíneum* (the Toothache Tree) } - 488
Hort. Soc. Gard. *H. L. Jeune.*

59. *P*tèlea trifoliàta - - - 489
Hort. Soc. Gard. *Miss M. L.*

60. *Ailántus* glandulòsa - - 490
Hort. Soc. Gard. *Miss M. L.*

Page

61. *A. g.*, full-grown tree.
Syon House. *G. R. Lewis.*

CELASTRA'CEÆ. (SPINDLE TREES.)

Text in Vol. II.

62. *Eu*ónymus europæ'us - - 496
Hort. Soc. Gard. *Miss M. L.*

63. *E.* latifòlius - - - 498
Hort. Soc. Gard. *Miss M. L.*

AQUIFOLIA'CEÆ. (HOLLIES.)

64. *I*'lex *Aquifòlium* - - - 505
Bayswater. *H. Le Jeune.*

65. *I. A.*, full-grown tree.
Studley Park. *H. W. Jukes.*

66. *I.* opàca - - - - 516
Messrs. Loddiges. *Miss M. L.*

67. *I.* opàca, full-grown tree.
Syon House. *G. R. Lewis.*

RHAMNA'CEÆ. (BUCKTHORNS.)

68. *P*aliùrus aculeàtus (Christ's Thorn) - - - } 527
Hort. Soc. Gard. *Miss M. L.*

69. *P.* a., full-grown tree.
Syon House. *G. R. Lewis.*

70. *R*hámnus cathárticus (Purging Buckthorn) - } 531
Hort. Soc. Gard. *Miss M. L.*

71. *R.* alpìnus - - - - 536
Hort. Soc. Gard. *Miss M. L.*

72. *R.* Frángula (Berry-bearing Alder) - - - } 537
Hort. Soc. Gard. *Miss M. L.*

73. *R.* latifòlius - - - 538
Hort. Soc. Gard. *Miss M. L.*

HOMALINA'CEÆ.

74. Aristotèl*ia Mácqui* - - 543
Fulham Nursery. *H. W. Jukes.*

LEGUMINO'SÆ.

75. *Sophòra* japónica - - - 563
Hort. Soc. Gard. *Miss M. L.*

76. *S.* j., full-grown tree, 4to.
Syon House. *G. R. Lewis.*

77. *S.* j. péndula - - - 564
Hort. Soc. Gard. *Miss M. L.*

78. Virgíl*ia* lùtea - - - 565
Hort. Soc. Gard. *Miss M. L.*

79. *Cy*tisus *L*abúrnum (the common Laburnum, or Pea Tree) - - - } 590
Hort. Soc. Gard. *Miss M. L.*

80. *C. L.* quercifòlium (syn. incìsum) - - - } 590
Hort. Soc. Gard. *Miss M. L.*

81. *C.* alpìnus (Scotch Laburnum) 591
Hort. Soc. Gard. *Miss M. L.*

82. *C.* a. péndulus - - - 591
Messrs. Loddiges. *H. Le Jeune.*

Page		Page
83.	Robínia Pseud-Acàcia (Common Acacia, or Locust) - - Hort. Soc. Gard. *Miss M. L.*	609
84.	R. P.-*A.*, full-grown tree. Kenwood. *W. J. Neufield.*	
85.	R. P.-*A.* umbraculífera Bayswater. *H. Le Jeune.*	610
86.	R. P.-*A.* tortuòsa - Hort. Soc. Gard. *H. Le Jeune.*	610
87.	R. viscòsa - - - Hort. Soc. Gard. *Miss M. L.*	626
88.	R. híspida macrophýlla (Large-leaved Rose Acacia) - - Hort. Soc. Gard. *H. Le Jeune.*	628
89.	*Caragàna* arboréscens (the Siberian Pea Tree) Hort. Soc. Gard. *Miss M. L.*	629
90.	Gleditschia triacánthos (the Three-thorned Acacia Hort. Soc. Gard. *Miss M. L.*	650
91.	G. t., full-grown tree - Syon House. *G. R. Lewis.*	650
92.	G. inérmis - - - Hort. Soc. Gard. *Miss M. L.*	650
93.	G. i., full-grown tree. Syon House. *G. R. Lewis.*	
94.	G. sinénsis (syn. hórrida) - Hort. Soc. Gard. *H. Le Jeune.*	654
95.	G. (s.) japónica - - Messrs. Loddiges. *H. Le Jeune.*	654
96.	G. (s.) nàna - - - Messrs. Loddiges. *H. Le Jeune.*	654
97.	G. (s.) purpùrea - - Messrs. Loddiges. *H. Le Jeune.*	654
98.	G. (s.) macracántha - Messrs. Loddiges. *H. Le Jeune.*	654
99.	Gymnócladus canadénsis (Kentucky Coffee Tree) Hort. Soc. Gard. *Miss M. L.*	656
100.	G. c., full-grown tree. Syon House. *G. R. Lewis.*	
101.	Cércis Siliquástrum (the Judas Tree) - - Hort. Soc. Gard. *Miss M. L.*	657
102.	*C. S.* full-grown tree. Syon House. *G. R. Lewis.*	
103.	*C.* canadénsis - - - Hort. Soc. Gard. *Miss M. L.*	659
104.	*Acàcia* dealbàta - - Hort. Soc. Gard. *Miss M. L.*	666

LIST OF PLATES IN VOL. V., ALPHABETICALLY ARRANGED.

The Roman numerals refer to the volumes of the text where the species is treated of.

Page		Page
104.	*Acàcia* dealbàta - -	II. 666
	Acàcia, False. See Robínia.	
43.	*A*cer campéstre (the common Maple) - -	I. 428
44.	*A.* c., full-grown tree, 4to.	
45.	*A.* créticum, full-grown tree	I. 430
37.	*A.* eriocárpum - - -	I. 423
38.	*A.* e., full-grown tree.	
28.	*A.* macrophýllum - -	I. 408
41.	*A.* monspessulànum - -	I. 427
42.	*A.* m., full-grown tree.	
34.	*A.* (hýbridum) obtusàtum -	I. 420
36.	*A.* O'palus - - -	I. 420
35.	*A.* opulifòlium - - -	I. 420
29.	*A.* platanöìdes - - -	I. 408
30.	*A. p.* laciniàtum - -	I. 409
32.	*A.* Pseùdo-*P*látanus (the common Sycamore)	I. 414
33.	*A.* Pseùdo-*P*látanus, full-grown tree.	
39.	*A.* rùbrum - - -	I. 424
40.	*A.* r., full-grown tree.	
31.	*A.* sacchárinum (the Sugar Maple) - - -	I. 411
26.	*A.* spicàtum - - -	I. 406
27.	*A.* striàtum - - -	I. 407
25.	*A.* tatáricum - - -	I. 406
48.	*Æ*sculus Hippocástanum (the Horsechestnut)	I. 463
49.	*Æ.* H., full-grown tree.	
50.	*Æ.* H. (cárnea) rubicúnda	I. 467
60.	*Ailántus* glandulòsa - -	I. 490
61.	*A. g.*, full-grown tree.	
74.	Aristotèlia *Mácqui* - -	II. 543
	Berry-bearing Alder. See *R*hámnus Frángula.	
	Box Elder. See *Negúndo.*	
	Buckthorn. See *R*hámnus.	
89.	*Caragàna* arboréscens (the Siberian Pea Tree) -	II. 629
103.	*C*ércis canadénsis - -	II. 659
101.	*C. S*iliquástrum (the Judas Tree) - -	II. 657
102.	*C. S.*, full-grown tree.	
81.	*C*ytisus alpìnus - - -	II. 591
82.	*C.* a. péndulus - - -	II. 591
	Christ's Thorn. See *P*aliùrus.	
79.	*C. L*abúrnum (the Laburnum, or Pea Tree) -	II. 590
80.	*C. L.* (incisum) quercifòlium	II. 590

Page		Page
62.	*Euónymus europæ'us* (the Spindle Tree) -	II. 496
63.	*E.* latifòlius - - -	II. 498
92.	Gleditsch*ia* inérmis - -	II. 650
93.	G. i., full-grown tree.	
94.	G. (sinénsis) hórrida - -	II. 654
95.	G. (s.) japónica - -	II. 654
98.	G. (s.) macracántha - -	II. 654
96.	G. (s.) nàna - - -	II. 654
97.	G. (s.) purpùrea - -	II. 654
90.	G. triacánthos (the Three-thorned Acacia)	II. 650
91.	G. t., full-grown tree -	II. 650
99.	Gymnócladus canadénsis (the Kentucky Coffee Tree) - - -	II. 656
100.	G. c., full-grown tree.	
	Holly. See *I'lex.*	
	Horsechestnut. See *Æ'sculus.*	
64.	*I'lex Aquifòlium* (the Holly)	II. 505
65.	*I.* A., full-grown tree.	
66.	*I.* opàca - - - -	II. 516
67.	I. o., full-grown tree.	
	Judas Tree. See *Cércis.*	
	Kentucky Coffee Tree. See Gymnócladus.	
57.	Kölreutèr*ia* paniculàta -	I. 475
	Labúrnum. See *Cytisus Labúrnum.*	
	Lime tree. See *Tilia.*	
	Locust. See Robín*ia.*	
13.	Liriodéndron Tulipífera (the Tulip Tree)	I. 284
14.	L. T., full-grown tree.	
7.	Magnòl*ia* acuminàta - -	I. 273
8.	M. a., full-grown tree.	
10.	M. auriculàta - - -	I. 276
12.	M. conspícua - - -	I. 278
9.	M. cordàta - - -	I. 275
3.	M glaúca - - -	I. 267
4.	M. g. Thompson*iàna* -	I. 267
1.	M. grandiflòra - - -	I. 261
2.	M. g. exoniénsis - -	I. 261
6.	M. macrophýlla - -	I. 271
11.	M. (a.) pyramidàta - -	I. 277
5.	M. tripétala - - -	I. 269
	Maple. See *A'cer.*	
46.	*Negúndo fraxinifòlium* (the Box Elder - -	I. 460
47.	*N. f.* críspum - - -	I. 460
68.	*Paliùrus* aculeàtus (Christ's Thorn) - - -	II. 527
69.	*P.* a., full-grown tree.	
54.	Pàv*ia* flàva - - -	I. 471
55.	P. f., full-grown tree.	
56.	P. macrocárpa -	I. 473
51.	P. rùbra - - - -	I. 469
52.	P. r., full-grown tree.	
53.	P. r. hùmilis péndula -	I. 470
	Pea Tree. See *Cytisus.*	
	Purging Buckthorn. See *Rhámnus cathárticus.*	
71.	*Rhámnus alpinus* - -	II. 536
70.	*R cathárticus* (the Purging Buckthorn) -	II. 531
72.	*R. Frángula* (the Berry-bearing Alder) -	II. 537
73.	*R.* latifòlius - - -	II. 538
88.	Robín*ia* híspida macrophýlla (the large-leaved Rose Acacia) -	II. 628
83.	R. Pseùd-*Acácia* (common Acacia, or Locust)	II. 609
84.	R. P.-*A.*, full-grown tree, 4to.	
86.	R. P.-*A.* tortuósa - -	II. 610
85.	R. P.-*A.* umbraculífera -	II. 610
87.	R. viscósa - - - -	II. 626
	Rose Acacia. See Robín*ia* hispida.	
	Scotch Laburnum. See *Cytisus alpinus.*	
	Siberian Pea Tree. See *Caragàna.*	
75.	*Sophòra* japónica - -	II. 563
76.	*S.* j., full-grown tree, 4to.	
77.	*S* j. péndula - - -	II. 564
	Spindle Tree. See *Euónymus.*	
	Sugar Maple. See *A'cer saccharínum.*	
	Sycamore. See *A'cer Pseùdo-Platanus.*	
21.	*Tilia* (e.) alba - - -	I. 372
22.	*T.* americàna - - -	I. 373
20.	*T.* (e.) aúrea - - -	I. 366
15.	*T.* europæ'a (the common Lime Tree) - -	I. 364
16.	*T.* e., full-grown tree.	
19.	*T.* (e.) laciniàta - -	I. 366
23.	*T.* (a.) laxiflòra - -	I. 374
17.	*T.* (e.) platyphýlla - -	I. 365
18.	*T.* (e.) p. minor - -	I. 365
24.	*T.* (a.) pubéscens - -	I. 374
	Three-thorned Acacia. See Gleditsch*ia.*	
	Toothache Tree. See Xanthóxylum.	
	Tulip Tree. See Liriodéndron.	
78.	Virgília lùtea - - -	II. 565
58.	Xanthóxylum *fraxíneum* (the Toothache Tree)	I. 488

Magnòlia grandiflòra.

The large-flowered *evergreen* Magnolia.

13½ ft. high. 3 in. diam.

Magnòlia grandiflòra exoniénsis.

The large-flowered *evergreen* Exeter Magnolia.

13½ ft. high, 3 in. diam.

Magnòlia glaúca.

The glaucous-*leaved deciduous* Magnolia.

13 ft. high, 4 in. diam.

*Magnólia glaúca Thompsoni*àna.

Thomson's glaucous-*leaved deciduous* Magnolia.

12½ ft. high, 3 in. diam.

Magnòlia tripétala.

The three-petaled-*flowered deciduous* Magnolia.

12⅝ ft. high, 3½ in. diam.

Magnòlia macrophýlla.

The large-leaved *deciduous* Magnolia.

Magnòlia acuminàta.

The pointed-*leaved* Magnolia.

Magnòlia acuminàta.

The pointed-*leaved* Magnolia.

Full-grown tree at Syon; 49 ft. high, diam. of the trunk 3 ft., and of the head 48 ft.
[Scale 1 in. to 12 ft]

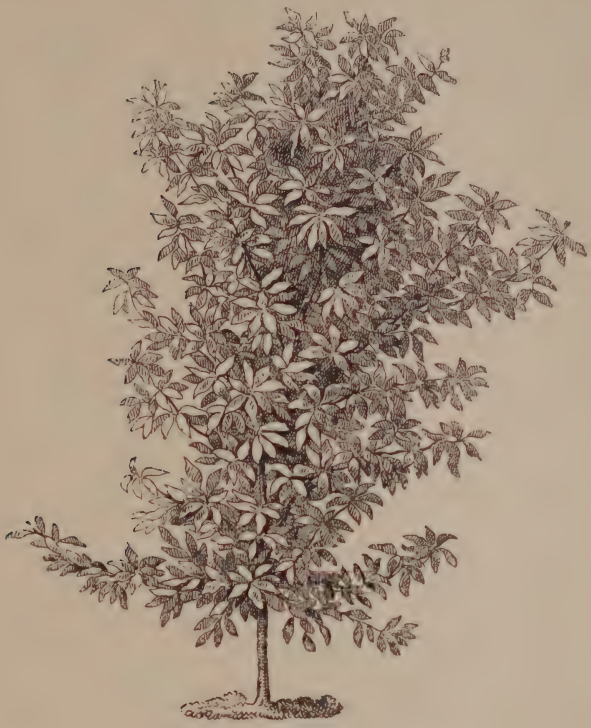
Magnòlia cordàta.

The heart-shaped-*leaved deciduous* Magnolia.

12½ ft. high, 4½ in. diam.

Magnòlia auriculàta.

The ear-*leaved deciduous* Magnolia.



14½ ft. high, 3 in. diam.

Magnòlia (*auriculàta*) *pyramidàta.*

The pyramidal *deciduous* (ear-*leaved*) Magnolia.

13 ft. high, 2¾ in. diam.

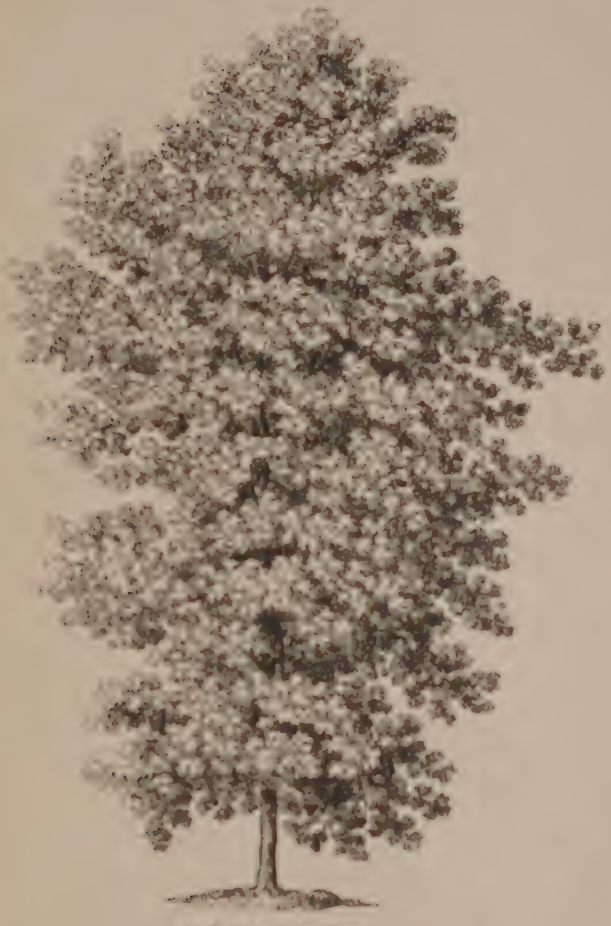
Magnòlia conspicua.

The conspicuous-*flowered, or Yulan,* Magnolia.

14 ft. high, 4½ in. diam.

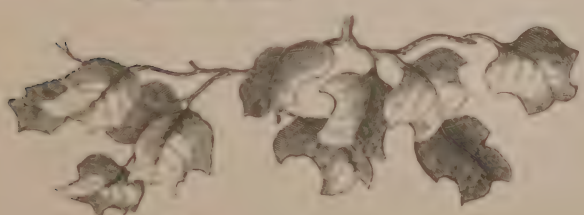
Liriodéndron Tulipífera.

The Tulip tree.



The Tulip-bearing Liriodendron, *or the Tulip tree.*

Full-grown tree at Syon; 76 ft. high.
[Scale 1 in. to 12 ft.]



Tilia europæ`a.

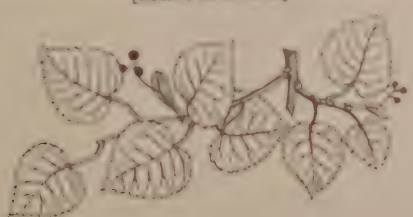
The European, *or common,* Lime tree.

30 ft. high, 4 in. diam.

Tília europæ`a.

The European, *or common*, Lime tree.

Full-grown tree at Studley Park ; 125 ft. high, diam. of the trunk 6 ft., and of the head 75 ft.
[Scale 1 in. to 24 ft.]



The broad-leaved (European) Lime tree.

Tilia (e.) platyphýlla minor.

The smaller broad-leaved (European) Lime tree.

15 ft. high, 4 in. diam.

Tília (*e.*) *laciniàta.*

The laciniated-*leaved* (European) Lime tree.

14½ ft high, 3 in. diam.

Tília (*e.*) *aúrea.*

The golden-*twigged* (European) Lime tree.

11 ft. high, 2¼ in. diam.

Tilia (*e.*) *alba.*

The white-*leaved* (European) Lime tree.

16 ft. high, 3 in. diam.

Tília americàna.

The American Lime tree.

13 ft. high, 3 in. diam.

Tília americàna laxiflòra.

The loose-flowered American Lime tree.

15 ft. high, 2¾ in. diam.

Tília americàna pubéscens.

The downy-*leaved* American Lime tree.

14 ft. high, 4½ in. diam.

A*cer tatáricum.

The Tartarian Maple.

15 ft. high, 4 in. diam.

A`cer spicàtum.

The spike-*flowered* Maple.

12½ ft. high, 3¼ in. diam.

A`cer striàtum.

The striped-*barked* Maple.

13 ft. high, 2½ in. diam.

A`cer macrophýllum.

The large-leaved Maple.

21 ft. high, 3½ in diam.

The Platanus-like, *or Norway*, Maple.

20½ ft. high, 7 in. diam.

A\`cer platanöĭdes laciniàtum.

The cut-*leaved* Platanus-like, *or Norway,* Maple.

16 ft. high, 3 in. diam.

A`cer saccharinum.

The Sugar Maple.

13 ft. high, 2 in. diam.

The *Sycamore,* or False Plane tree Maple.

A'cer Pseùdo-Plátanus.

The false Platanus, *or common* Sycamore.

Full-grown tree at Studley; 100 ft. high, diam. of the trunk 8 ft. 1 in., and of the head 91 ft. [Scale 1 in. to 24 ft.]

A`cer obtusàtum.

The obtuse-*lobed-leaved* Maple.

25½ ft. high, 5¼ in. diam.

Acer opulifolium.

The Guelder-Rose-leaved Maple.

11½ ft. high. 7½ in. diam.

A'cer O'palus.

The Guelder-Rose-*like* Maple.

10 ft. high, 2½ in. diam.

32½ ft. high, 9 in. diam.

A\cer eriocárpum.

The woolly-fruited Maple.

Full-grown tree at Kew ; 56 ft. high, diam of the trunk 3 ft., and of the head 45 ft.
[Scale 1 in. to 12 ft.]

The red-*flowered* Maple.

21 ft. high, 5 in. diam.

Ac̀er rùbrum.

The red, *or Swamp,* Maple.

Full-grown tree at Kew ; 36 ft. high, diam. of the trunk 2½ ft., and of the head 30 ft. [Scale 1 in. to 12 ft.]

A`cer monspessulànum.

The Montpelier Maple.

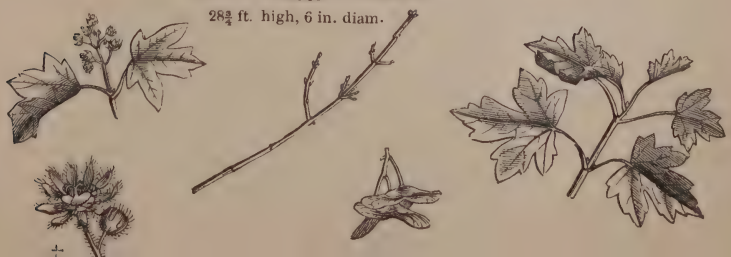
15 ft. high, 4 in. diam.

A`cer monspessulànum.

The Montpelier Maple.

Full-grown tree at Ham House ; 30 ft. high, diam. of the head 40 ft., and of the trunk 1½ ft.
[Scale 1 in. to 12 ft.]

28¾ ft. high, 6 in. diam.



The *common, or* Field, Maple.

Full-grown tree at Studley Park ; 70 ft. high, diam. of the trunk 5½ ft., and of the head 58 ft.
[Scale 1 in. to 12 ft.]

A`cer créticum.

The Cretan Maple.

Full-grown tree at Syon; 28 ft. high, diam. of the trunk 2½ ft., and of the head 48 ft. [Scale 1 in. to 12 ft.]

The Ash-leaved Box Elder.

30 ft. high, 8 in. diam.

The curled Ash-leaved Box Elder.

15¾ ft. high, 4½ in. diam.

The *common* Horsechestnut.

30½ ft. high, 8 in. diam.

The *common* Horsechestnut.

Full-grown tree at Forty Hill, Enfield; 62 ft. high, diam. of the trunk 4 ft., and of the head 48 ft. [Scale 1 in. to 12 ft.]

The reddish, *or* flesh-colour, *flowered* Horsechestnut.

16 ft. high, 4 in. diam.

Pàvia rùbra.

The red-*flowered* Pavia.

10 ft. high, 4½ in. diam.

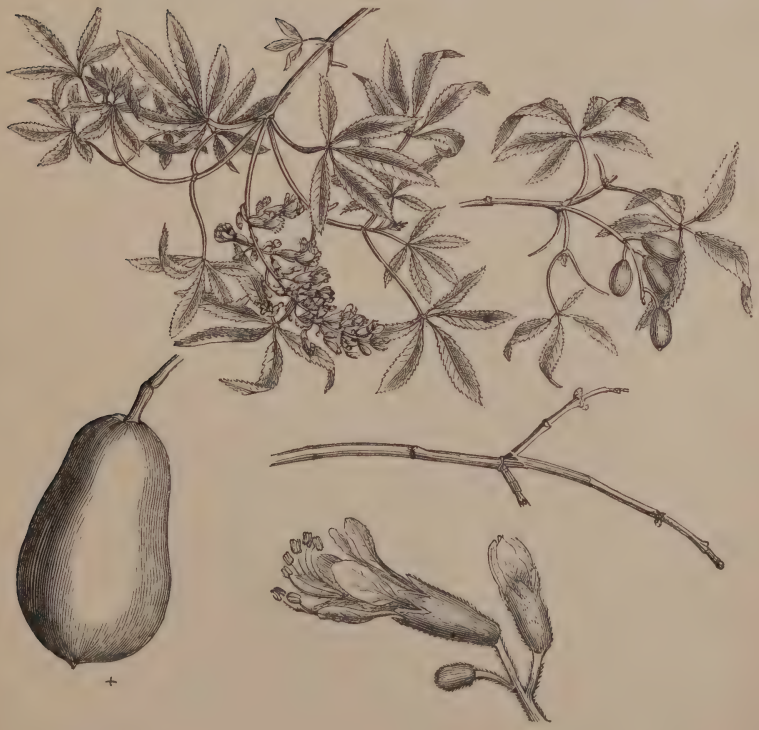
Pàvia rùbra.

The red-*flowered* Pavia.

Full-grown tree at Syon ; 26 ft. high, several small trunks from the same root ; head 27 ft. diam.
[Scale 1 in. to 12 ft.]

The pendulous-*branched* Pavia.

11 ft. high, 2¾ in. diam.



The yellow-*flowered* Pavia, *or smooth-fruited Horsechestnut.*

15 ft. high, 6 in. diam.

Full-grown tree at Syon ; 40 ft. high, diam. of the trunk 1 ft. 4 in., and of the head 39 ft.

Pàvia macrocárpa.

The large-fruited Pavia.

13 ft. high, 3 in. diam.

Kölreutèria paniculàta.

The panicled-*flowered* Kölreuteria.

14¾ ft. high, 3 in. diam.

Xanthóxylon fraxineum.

The Ash-*leaved* Toothache tree.

12 ft. high, 2½ in. diam.

Ptèlea trifoliàta.

The three-*leafleted*-leaved Shrubby Trefoil.

16¾ ft. high, 2⅓ in. diam.

Ailántus *glandulòsa*.

The glandulous-*leaved* Ailantus.

32 ft. high, 8 in. diam.

Ailántus *glandulòsa*.

The glandulous-*leaved* Ailantus.

Full-grown tree at Syon; 71 ft. high.
[Scale 1 in. to 12 ft.]

Euónymus europæ`us.

The European, *or common,* Spindle tree.

10 ft. high, 2¾ in. diam.

Euónymus latifòlius.

The broad-leaved Spindle tree.

12 ft. high. 2 in. diam.

Ilex Aquifolium.

The sharp-leaved, *or common,* Holly.

14 ft. high, 3½ in. diam.

The sharp-leaved, *or common,* Holly.

Full-grown tree at Studley ; 53 ft. 7 in. high.
[Scale 1 in. to 12 ft.]

Ilex opàca.

The opaque-*leaved* Holly.

12 ft. high, 2½ in. diam.

Ilex opàca.

The opaque-*leaved* Holly.

Full-grown tree at Syon; 18 ft. high, diam. of the trunk 1 ft., and of the branches 23 ft.
[Scale 1 in. to 12 ft.]

Paliùrus aculeàtus.

The prickly Paliurus, *or Christ's Thorn.*

13½ ft. high, 2 in. diam.

Paliùrus aculeàtus.

The prickly Paliurus, *or Christ's Thorn.*

Full-grown tree at Syon ; 33 ft. high, diam. of the trunk 1 ft., and of the head 30 ft.
[Scale 1 in. to 12 ft.]

Rhámnus cathárticus.

The purging Buckthorn.

12 ft. high, 3½ in. diam.

The alpine Rhamnus.

11 ft. high, 3 in. diam.

Rhámnus Frángula.

The brittle-wooded Buckthorn, *or Berry-bearing Alder.*

10 ft. high, 1½ in. diam.

Rhámnus latifòlius.

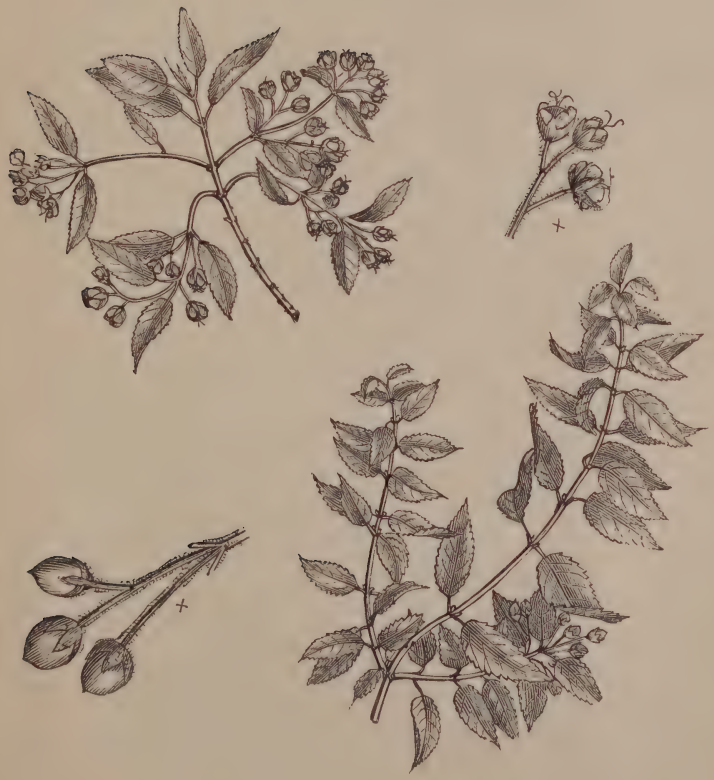
The broad-leaved Buckthorn.

11 ft. high, 3½ in. diam.

Aristotèlia Mácqui.

The Macqui Aristotelia.

10 ft. high, 1½ in. diam.



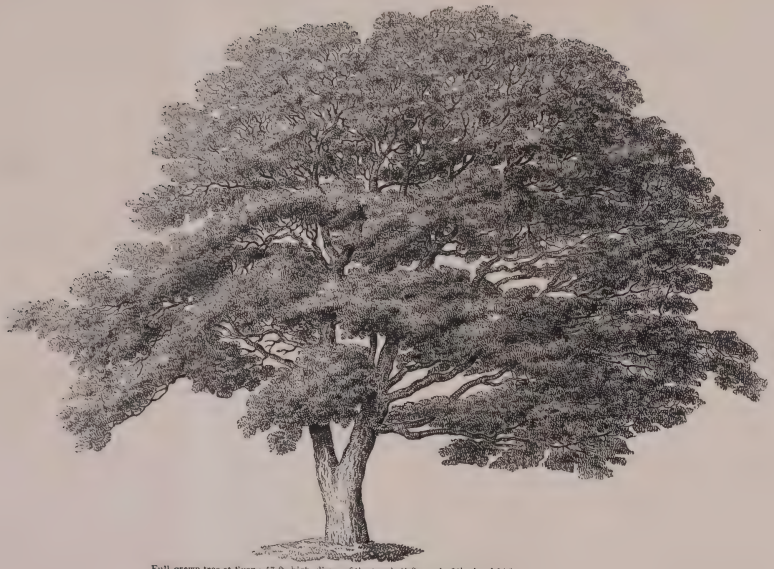
Sophòra *japónica*.

The Japanese Sophora.

20 ft. high, 9 in. diam.

Sophòra *japónica*.

The Japan Sophora.



Full-grown tree at Syon: 57 ft. high, diam. of the trunk 4½ ft., and of the head 84 ft.
[Scale 1 in. to 12 ft.]

Sophòra *japónica péndula.*

The drooping-*branched* Japanese Sophora.

12 ft. high, 3 in. diam.

The yellow-*wooded* Virgilia.

17 ft. high, 5¼ in. diam.

The *common* Laburnum.

15 ft. high, 5 in. diam.

Cýtisus Labúrnum quercifòlium, or *incìsum*.

The Oak-leaved, *or* cut-*leaved*, Laburnum.

15 ft. high, 3 in. diam.

Cýtisus alpìnus.

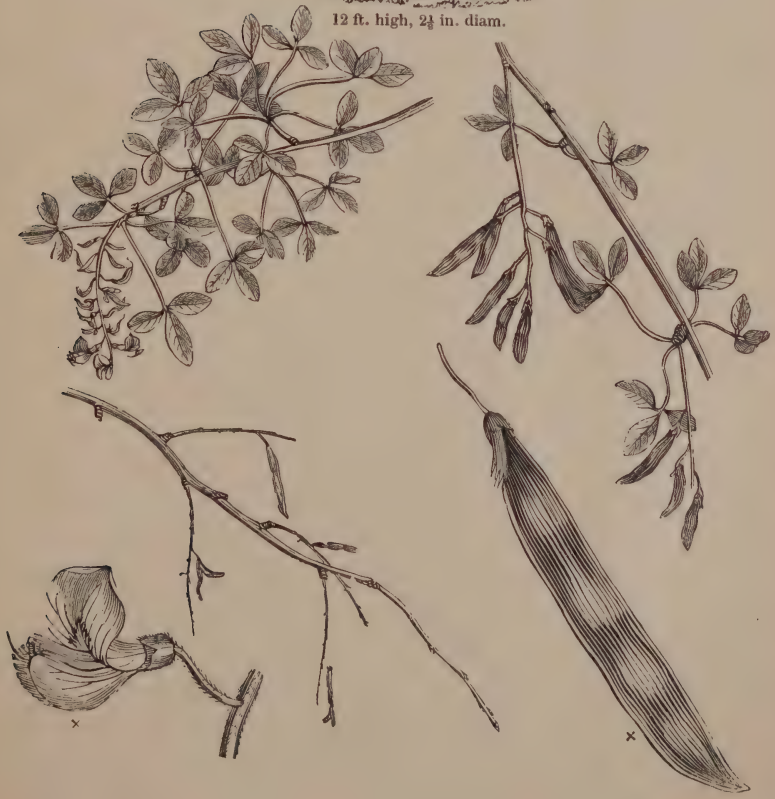
The alpine Cytisus, *or Scotch Laburnum.*

12 ft. high, 3½ in. diam.

Cytisus alpinus pendulus.

The pendulous alpine, *or Scotch, Laburnum.*

12 ft. high, 2⅛ in. diam.



The Robinia, *or* False Acacia.

The False-Acacia Robinia.

Full-grown tree at Kenwood; 72 ft. high.
[Scale 1 in. to 12 ft.]

The Umbrella, *or Parasol,* Robinia *or* False Acacia.

14 ft. high, 3 in. diam.

Robínia Pseùd-Acàcia tortuòsa.

The twisted-*leaved* Robinia *or* False Acacia.

12 ft. high, 3½ in. diam.

The clammy Robinia.

22 ft. high, 8 in. diam.

Robínia híspida macrophýlla.

The large-leaved Robinia, *or Rose Acacia.*

8½ ft. high, 2⅓ in. diam.

Caragàna *arboréscens.*

The arborescent Caragana, *or Siberian Pea tree.*

11 ft. high, 3 in. diam.

The three-spined Gleditschia, *or Honey Locust.*

19½ ft. high, 3½ in. diam.

The three-thorned Gleditschia, *or Honey Locust.*

Full-grown tree at Syon ; 68 ft. high, diam. of the trunk 2 ft. 3 in., and of the head 40 ft. [Scale 1 in. to 12 ft.]

The unarmed, *or thornless,* Gleditschia, *or Honey Locust.*

20 ft. high, 4 in. diam.

The unarmed Gleditschia, *or Honey Locust.*

Full-grown tree at Syon ; 72 ft. high, diam. of the trunk 2 ft. 4 in., and of the head 71 ft.
[Scale 1 in. to 12 ft.]

The Chinese, *or* horrid-*spined,* Gleditschia.

Full-sized tree at Syon ; 54 ft. high, diam. of the trunk 3 ft., and of the head 54 ft.

Gleditschia japónica.

The Japan Gleditschia.

10 ft. high, 2½ in. diam.

The dwarf horrid-*spined* Gleditschia, *or Honey Locust.*

15 ft. high, 5 in. diam.

Gleditschia hórrida purpùrea.

The purple horrid-*spined* Gleditschia, *or Honey Locust.*

12 ft. high, 2 in. diam.

The long-spined Gleditschia, *or Honey Locust.*

Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 63 ft.
[Scale 1 in. to 12 ft.]

The Canadian Gymnocladus, *or Kentucky Coffee tree.*

The Canadian Gymnocladus, *or Kentucky Coffee tree.*

Full-grown tree at Syon ; 57 ft. high, diam. of the trunk 3 ft., and of the head 47 ft.
[Scale 1 in. to 12 ft.]

Cércis Siliquástrum.

The *common* Judas tree.

11 ft. high, 3½ in. diam.

Cércis Siliquástrum.

The *common* Judas tree.

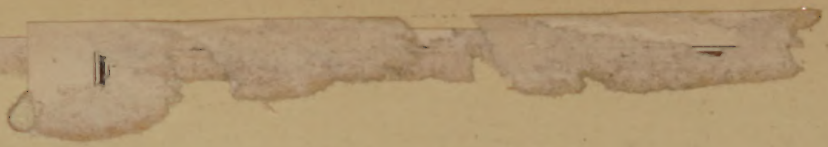
Full-grown tree at Syon; 24 ft. high, diam. of the trunk 2 ft., and of the head 32 ft.
[Scale 1 in. to 12 ft.]

Cércis canadénsis.

The Canadian Judas tree.

10 ft. high, 2 in. diam.

Acàcia dealbàta.

The whitened Acacia.

18 ft. high, 3 in. diam.